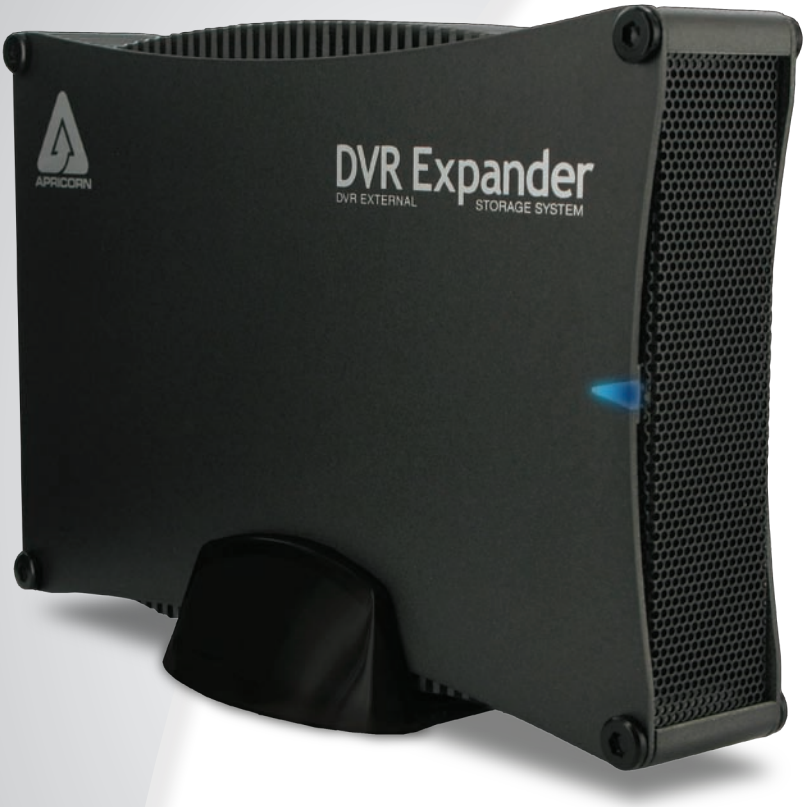
DVR Expander

DVR EXTERNAL STORAGE SYSTEM



Quick Start Guide

APRICORN

THE LEADER IN PERSONAL STORAGE

Apricorn DVR Expander Quick Start Guide

INTRODUCTION

Is your DVR running out of space? Apricorn's DVR Expander is the perfect solution for adding hundreds of hours of recording time to your DVR instantly.

The DVR Expander's versatile dual eSATA / USB 2.0 interface enables connection to a wide variety of DVRs, including Scientific Atlanta® series DVRs (provided by many cable companies - uses eSATA connection), Dish Network® DVRs (via USB 2.0 connection) or any DVR with an active eSATA port.

The DVR Expander's sleek aluminum enclosure operates in horizontal and vertical configurations and the high capacity SATA hard drive is designed to provide enhanced reliability in high duty cycle environments. In addition, the DVR Expander will support all the functions your DVR offers, including simultaneously recording two high definition channels while playing one back.

PACKAGE CONTENTS

DVR Expander and stand

eSATA to eSATA Cable

USB Cable

AC Adapter

Connecting to Scientific Atlanta® series DVRs

1. Before starting the connection of your DVR Expander, check the current amount of free space on your DVR. While this process varies depending on your DVR, many DVRs show this information in the **LIST** option (press the **LIST** button on the DVR remote control to access this option.) The amount of current used space is shown as % full on the DVR.
2. When connecting your DVR Expander, check that the DVR Expander ON/OFF switch, located on the back of the unit is in the OFF position. Connect the AC adapter to the back of the DVR Expander, then connect the other end of the AC cable to suitable power supply that will always stay on (like a wall outlet). **Never connect the DVR Expander to the AC plug on the back of the DVR.**
3. Verify that the DVR Expander is turned off by observing the LED located at the front of the unit. At this point there should not be any lights on the DVR Expander. If there is a light glowing on the front of the DVR Expander, use the power switch on the back of the DVR Expander to turn it off.
4. Now connect one end of the eSATA cable to the back of the DVR Expander and the other end to the eSATA port on the back of the DVR.
5. Push the power button on the back of the DVR Expander to turn it on. The LED light should start to glow.
6. There will likely be about a 15 second digital freeze in which your DVR will not respond to any commands while it recognizes the newly attached DVR Expander.

Formatting the DVR Expander

Once your DVR recognizes the DVR Expander the following message or similar should appear on the TV screen:

Attention

Format this external hard drive with this DVR?
Note: Any existing recordings on the external drive will be erased.

If you press C cancel, the external storage device will not be available

A yes, Format C cancel

Press **A** to format the drive **(Formatting will take several minutes)**
Note: After it is complete you will get the message below

Attention

The formatting of the hard drive was successful. The external storage device connected works with this DVR. NOTE: To safely unplug this device, first unplug power from the DVR, and then wait 10 seconds before disconnecting

Exit Close

Press **Exit** to close the banner

Once you have finished reformatting the drive we recommend that your DVR be rebooted. If your system does not reboot automatically, manually reboot your DVR by holding down the POWER button the front of your DVR.

CONGRATULATIONS!
Your DVR and DVR Expander are now operational.
To see how much storage the DVR Expander has added to your system, use the **LIST** option as described in Step 1 on the previous page.

FAQs for Scientific Atlanta series DVR Connection

For the most recent FAQs please go to the Support page at www.Apricorn.com and click on DVR Expander.

How are recorded programs stored on the Scientific Atlanta DVR once the DVR Expander is installed?
Recordings are balanced between the internal hard drive on the DVR and the DVR Expander as follows: A recording is not split between an internal hard drive and the DVR Expander. The DVR automatically stores complete program using space available logic: If the DVR Expander has more space available, the DVR Expander stores the next recording. If the internal hard drive on the DVR has more space available, its internal hard drive will store the next recording.

Why aren't my recorded programs available for playback
The Scientific Atlanta series DVR does not designate which hard drive your recorded programs have been stored on. When the DVR Expander is not connected to the DVR, all the programs that were recorded to the DVR Expander will still be listed on the menu, but will not be available for viewing.

How can I check which version of software is loaded on my Scientific Atlanta series DVR?
The easiest way to check which version of software is loaded on your DVR is to reboot your system. To reboot, hold down the **POWER** button on your DVR until the unit reboots. On rebooting, watch for a screen that shows the software version.

Connection to Dish Network® DVRs

To find out if your Dish Network DVR model is compatible with DVR Expander, please check on the Dish Network website at www.dishnetwork.com.

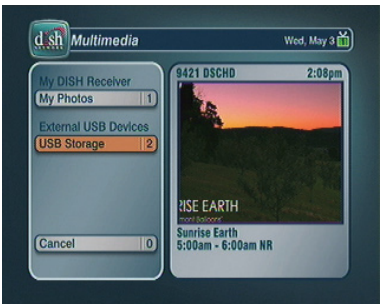
1. Check that the DVR Expander ON/OFF switch, located on the back of the unit is in the OFF position. Connect the AC adapter to the back of the DVR Expander, then connect the other end of the AC cable to suitable power supply that will always stay on (like a wall outlet). Never connect the DVR Expander to the AC plug on the back of the DVR.
2. Verify that the DVR Expander is turned off by observing the LED located at the front of the unit. At this point there should not be any lights on the DVR Expander. If there is a light glowing on the front of the DVR Expander, use the power switch on the back of the DVR Expander to turn it off.
3. Connect the DVR Expander to one of the receiver's two USB 2.0 ports. Note: Currently, you can only connect one USB device to the receiver at one time; however, you can connect multiple DVR Expanders one-at-a-time (for example, to dedicate one DVR Expander for movies and one for sporting events).
4. Push the power button on the back of the DVR Expander to turn it on. The LED light should start to glow.
5. You will see a pop-up message asking if you want to reformat the drive. If you select Yes, anything stored on the DVR Expander is erased. If you select No, you cannot transfer DISH Network content until you select Yes and the drive is reformatted. Afterwards, the satellite receiver reboots.
6. Call 888-241-2205 to activate the feature. You will pay a one-time Archiving Activation fee, which covers all compatible receivers on your account.

Getting Started with the Multimedia Menu

• Press MENU, select Multimedia, then select USB Storage (or press DVR on the remote control, then select USB Storage).

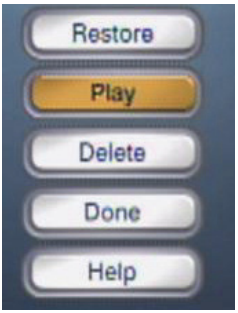
• Select Manage Device to see a list of the programs stored on the DVR Expander.

• Select Send to Device to transfer pre-recorded programs from the My Recordings list to the DVR Expander.



Multimedia Menu

USB Storage Options



Restoring and Playing from DVR Expander

- Choose Restore to transfer selected events from the DVR Expander back to the satellite receiver's internal hard drive.
- Use Play to view the event directly from the DVR Expander.
- Use Delete to remove unneeded events.

Considerations for Dish Network DVRs

- To find out if your Dish Network DVR model is compatible with DVR Expander, please check on the Dish Network website. You can find the receiver model listed on the System Information screen (accessed by MENU-6-1-3 on most receivers).
- Only use the DVR Expander with a DISH Network DVR receiver — do not use the drive for other purposes (for example, connecting to your computer).
- If content contains copy protection that will impact transferring to the hard drive, you will see a pop-up message with more information.*
- Currently, content on the hard drive can only be viewed using the receiver it came from. If the receiver that originally recorded the event is no longer available (due to an equipment return, for example), the content can still be viewed using a compatible receiver or replacement receiver on the account.
- Ensure the DVR Expander is kept in a cool, well-ventilated location for optimum hard drive longevity. Do not move the drive while it is on.
- Content transferred to the DVR Expander is only listed under the USB Storage option—it is moved from the My Recordings list.

Troubleshooting

After connecting the hard drive, if the Multimedia menu displays No Device Attached under External USB Devices, the receiver does not recognize the hard drive. Disconnect any device connected to the other USB port, then reset the receiver with only the DVR Expander connected to see if the receiver recognizes the hard drive after the reset. If not, the hard drive is not compatible.

* For any DRM/copy protection restrictions, go to www.dishnetwork.com and search for "copy protection."

- Choose Restore to transfer selected events from the DVR Expander back to the satellite receiver's internal hard drive.
- Use Play to view the event directly from the external hard drive.
- Use Delete to remove unneeded events.

Connection to DirecTV® DVRs

To find out if your DirecTV DVR model is compatible with DVR Expander, please check on the DirecTV website at www.directv.com.

DirecTV can only accept one hard drive as a recordable device (internal hard drive or external hard drive). Multiple external hard drives can be used, however, the system must be power cycled after adding the drive to rebuild available content.

1. Turn off the power button on the DirecTV receiver and disconnect the power cable.
2. Connect the DVR Expander to the DirecTV receiver's eSATA port. Connect the AC adapter to the back of the DVR Expander, then connect the other end of the AC cable to suitable power supply that will always stay on (like a wall outlet). Never connect the DVR Expander to the AC plug on the back of the DVR.
3. Switch the power button on the back of the DVR Expander to on. The LED light should start to glow.
4. Plug in the DirecTV receiver power cable and turn on the power button.

Note: If the receiver is not power cycled after attaching the external drive, you will see list of shows from the hard drive previously used but shows will not be accessible.

5. When power cycling with the DVR Expander attached, DirecTV will rebuild the scheduler listing to the attached drive. Scheduled programs will automatically record to the current drive (in this case the DVR Expander). The old recordings on your DirecTV receiver will remain, but will not be shown on the DirecTV scheduler. To show your old recordings you will have to detach the DVR Expander and restart your system (refer to steps 1 & 4).

Note: Multiple drives can be used with the DirecTV receiver. A complete power cycle will need to be done after changing to a new drive. After a re-start, all programs on the current drive will be accessible.

Removing the DVR Expander

1. Turn off the power button on the DirecTV receiver & disconnect the power cable.
2. Turn off the DVR Expander using the power button on the back of the unit.
3. Disconnect the DVR Expander from the eSATA port of the receiver and unplug the DVR Expander from the AC Adapter in the wall.
4. Plug in the DirecTV receiver to the power and restart. While rebooting, the DirecTV scheduler will rebuild to the receiver's internal drive.
5. To view the shows on the receiver, select the "List" button to view the pre-recorded programs list.

CONTACTING TECHNICAL SUPPORT

Apricorn provides the following helpful resources for you:

1. Apricorn's Website (http://www.apricorn.com)

   This gives you the ability to check for up-to-date information.

2. E-mail us at support@apricorn.com.

3. Or call the Technical Support Department at 1-800-458-5448.

   Apricorn's Technical Support Specialists are available from 8:00 a.m. to 5:00 p.m., Pacific Standard Time Monday through Friday.

WARRANTY

One Year Warranty:
Apricorn offers a 1-year warranty on the DVR Expander against defects in materials and workmanship under normal use. The warranty period is effective from the date of purchase either directly from Apricorn or an authorized reseller.

Disclaimer and terms of the warranties:
THE WARRANTY BECOMES EFFECTIVE ON THE DATE OF PURCHASE AND MUST BE VERIFIED WITH YOUR SALES RECEIPT OR INVOICE DISPLAYING THE DATE OF PRODUCT PURCHASE.

APRICORN WILL, AT NO ADDITIONAL CHARGE, REPAIR OR REPLACE DEFECTIVE PARTS WITH NEW PARTS OR SERVICEABLE USED PARTS THAT ARE EQUIVALENT TO NEW IN PERFORMANCE. ALL EXCHANGED PARTS AND PRODUCTS REPLACED UNDER THIS WARRANTY WILL BECOME THE PROPERTY OF APRICORN.

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